



ecology and environment, inc.

223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415

International Specialists in the Environmental Sciences

EPA Region 5 Records Ctr.



257686

DATE: May 13, 1983
TO: File/USEPA Region V
FROM: Paul D. Shea
SUBJECT: Preliminary Assessment
Illinois/TDD#R5-8212-01A-182
Granite City/Taracorp Industries, Inc.
ILD096731468

review ?

Attached is EPA's Preliminary Assessment Form 2070-12 for the above referenced site.

Primary information was gathered from the following source(s):

1. U. S. Environmental Protection Agency, Region V files, Chicago
2. Illinois Environmental Protection Agency files,
3. Collinsville, Illinois

Information indicates the following responsible parties should be listed. They are listed here because of space limitations:

1. N. L. Industries (owners prior to 1979), Hightstown, New Jersey
- 2.
- 3.

Presently, data gaps or no verification exists in the following key area(s):

1. Waste quantity
2. Surface water contamination
- 3.

A review of the available data indicates that additional information will be necessary to assess the impact(s) on:

1. Waste quantity
2. Surface water
- 3.
- 4.
- 5.

Suggested methods/sources for obtaining additional information are:

1. Review of on going Illinois EPA investigation and monitoring data.
2. Inspection if State and USEPA requests one.
- 3.

Notice of an apparent need for emergency action was transmitted to N/A on N/A by N/A.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL 0096731468

II. SITE NAME AND LOCATION

| | | | | | | |
|--|--|---|----------------------|------------------------|-----------------------|--------------------|
| 01 SITE NAME (Legal, common, or descriptive name of site) TARACORP INDUSTRIES GRANITE CITY PLANT | | 02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 16TH + CLEVELAND BLVD. | | | | |
| 03 CITY GRANITE CITY | | 04 STATE IL | 05 ZIP CODE 62040 | 06 COUNTY MADISON | 07 COUNTY CODE 119 | 08 CONG DIST 23 |
| 09 COORDINATES LATITUDE 38° 41' 55" | | LONGITUDE 89° 09' 25" | | TOPO MAP: GRANITE CITY | | |
| 10 DIRECTIONS TO SITE (Starting from nearest public road) STATE ROUTE 203 TO STATE ROUTE 3 NORTH FOLLOW MADISON OUT OF E. ST. LOUIS (MADISON AVE.) TO MADISON ROAD NORTH TO 16TH AND TURN LEFT TO CLEVELAND BLVD. | | | | | | |

III. RESPONSIBLE PARTIES

| | | | | | | |
|--|--|--|----------------------|-------------------------------------|--|--|
| 01 OWNER (If known) TARACORP INDUSTRIES INC. | | 02 STREET (Business, mailing, residential) 1401 WEST PACES FERRY RD. D211 | | | | |
| 03 CITY ATLANTA | | 04 STATE GA | 05 ZIP CODE 30327 | 06 TELEPHONE NUMBER 404-233-1971 | | |
| 07 OPERATOR (If known and different from owner) TARACORP INDUSTRIES GRANITE CITY PLANT | | 08 STREET (Business, mailing, residential) 16TH + CLEVELAND BLVD. | | | | |
| 09 CITY GRANITE CITY | | 10 STATE IL | 11 ZIP CODE 62040 | 12 TELEPHONE NUMBER 618-451-4483 | | |
| 13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN | | | | | | |
| 14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input checked="" type="checkbox"/> A. RCRA 3001 DATE RECEIVED 8/18/80 MONTH DAY YEAR <input type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED NONE MONTH DAY YEAR <input type="checkbox"/> C. NONE | | | | | | |

IV. CHARACTERIZATION OF POTENTIAL HAZARD

| | | | | | | |
|---|--|--|--|--|--|--|
| 01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 11-82 MONTH DAY YEAR <input type="checkbox"/> NO 12/82-1/83 | | BY (Check all that apply) <input checked="" type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input checked="" type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input checked="" type="checkbox"/> F. OTHER: U.S. FDA, CITY OF GRANITE CITY (Specify) CONTRACTOR NAME(S): | | | | |
| 02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN | | 03 YEARS OF OPERATION 1928 PRESENT BEGINNING YEAR ENDING YEAR <input type="checkbox"/> UNKNOWN | | | | |
| 04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED LEAD (TOXIC, PERSISTENT) | | | | | | |
| 05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION RUNOFF INTO SURFACE WATER (ENVIRONMENT + POPULATION) CONTACT WITH OR CONSUMPTION OF CONTAMINANT DUE TO HIGH LEAD LEVELS IN LEACHING INTO GROUNDWATER (ENVIRONMENT + POPULATION) (ENV + POP) SOIL | | | | | | |

V. PRIORITY ASSESSMENT

| | | | |
|---|--|--|--|
| 01 PRIORITY FOR INSPECTION (Check one: If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form) | | | |
|---|--|--|--|

VI. INFORMATION AVAILABLE FROM

| | | | | | |
|--------------------------------------|--|--|-----------------|-------------------------------------|---|
| 01 CONTACT MR. RICHARD J. CARLSON | | 02 OF (Agency/Organization) ILLINOIS EPA (DIRECTOR) | | 03 TELEPHONE NUMBER 217-782-3397 | |
| 04 PERSON RESPONSIBLE FOR ASSESSMENT | | 05 AGENCY | 06 ORGANIZATION | 07 TELEPHONE NUMBER () | 08 DATE ____/____/____ MONTH DAY YEAR |



| | | |
|--|--|--|
| 01 PHYSICAL STATES (Check all that apply) | 02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent) | 03 WASTE CHARACTERISTICS (Check all that apply) |
| <input checked="" type="checkbox"/> A. SOLID <input type="checkbox"/> B. POWDER, FINES <input checked="" type="checkbox"/> C. SLUDGE <input type="checkbox"/> D. OTHER _____ (Specify) | <input type="checkbox"/> E. SLURRY <input type="checkbox"/> F. LIQUID <input type="checkbox"/> G. GAS TONS <u>14,275</u> CUBIC YARDS _____ NO. OF DRUMS _____ | <input checked="" type="checkbox"/> A. TOXIC <input type="checkbox"/> B. CORROSIVE <input type="checkbox"/> C. RADIOACTIVE <input checked="" type="checkbox"/> D. PERSISTENT <input type="checkbox"/> E. SOLUBLE <input type="checkbox"/> F. INFECTIOUS <input type="checkbox"/> G. FLAMMABLE <input type="checkbox"/> H. IGNITABLE <input type="checkbox"/> I. HIGHLY VOLATILE <input type="checkbox"/> J. EXPLOSIVE <input type="checkbox"/> K. REACTIVE <input type="checkbox"/> L. INCOMPATIBLE <input type="checkbox"/> M. NOT APPLICABLE |

| CATEGORY | SUBSTANCE NAME | 01 GROSS AMOUNT | 02 UNIT OF MEASURE | 03 COMMENTS |
|----------|-------------------------|-----------------|--------------------|-------------------|
| SLU | SLUDGE | | | |
| OLW | OILY WASTE | | | |
| SOL | SOLVENTS | | | |
| PSD | PESTICIDES | | | |
| OCC | OTHER ORGANIC CHEMICALS | | | |
| IOC | INORGANIC CHEMICALS | | | |
| ACD | ACIDS | | | |
| BAS | BASES | | | |
| MES | HEAVY METALS | 14.725 | TONS | LEAD - K069, D008 |

[illegible]

| CATEGORY | 01 FEEDSTOCK NAME | 02 CAS NUMBER | CATEGORY | 01 FEEDSTOCK NAME | 02 CAS NUMBER |
|----------|-------------------|---------------|----------|-------------------|---------------|
| FDS | | | FDS | | |
| FDS | | | FDS | | |
| FDS | | | FDS | | |
| FDS | | | FDS | | |

USEPA FILES, REGION V, CHICAGO, IL
IEPA FILES, COLLINSVILLE, IL



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL D096731468

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☒ OBSERVED (DATE: 11/82) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION (4 MONITORING WELLS)

A HIGH LEAD LEVEL IN ONE SOIL SAMPLE WAS FOUND 14-15 FEET BELOW GROUND LEVEL, WHICH HAS HEALTH AND ENVIRONMENTAL OFFICIALS CONCERNED ABOUT FUTURE GROUNDWATER CONTAMINATION. MORE SAMPLING IS PLANNED ON PROPERTY WELLS SANDY SOIL TO ABOUT 120' LEAD WAS FOUND IN WELL AT 5 PM - 6 PM

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☐ OBSERVED (DATE: 1/78, 1/83) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 40,000+ 04 NARRATIVE DESCRIPTION

POTENTIAL CONTAMINATION OF SURFACE WATER DUE TO RUNOFF OF HIGHLY CONTAMINATED SOIL DUE TO LEAD. WATER ≈ 1 MILE WEST MIGRATION INTO SURFACE WATER HIGHLY PROBABLE. STORM

01 ☒ C. CONTAMINATION OF AIR 02 ☒ OBSERVED (DATE: 1/81) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 40,000+ 04 NARRATIVE DESCRIPTION

IEPA MONITOR AT 15 TH + MADISON STS. REGISTERED AN UNUSUALLY HIGH AVERAGE OF LEAD COMING FROM DIRECTION OF THE SMELTER. LEAD MONITORING HAS REVEALED NUMEROUS VIOLATIONS, BLOWING DUST A PROBLEM

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS 02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL 02 ☒ OBSERVED (DATE: 4/21/83) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: 3 (Acres) 04 NARRATIVE DESCRIPTION

SOIL SAMPLES TAKEN NEAR THE SMELTER REVEALED LEAD CONTAMINATION AS HIGH AS 5000 (PPM). SAMPLES TAKEN AT INTERVALS OUT TO TWO MILES SHOWED LEAD LEVELS DECREASED TO APPROXIMATELY 200 PPM.

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE:) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

GRANITE CITY'S DRINKING WATER TEST RECORDS DO NOT SHOW ANY LEAD CONTAMINATION. THE CITY'S DRINKING WATER IS DRAWN FROM THE MISSISSIPPI RIVER.

01 ☒ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE:) ☒ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: ≈ 50 04 NARRATIVE DESCRIPTION

LEVELS OF LEAD FOUND TO BE ABOVE LEVELS ON SITE. EXPOSURE/INJURY POSSIBLE TO WORKERS WHO WORK NEARBY.

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☒ OBSERVED (DATE: APRIL 1983) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 40,000+ 04 NARRATIVE DESCRIPTION (NOTHING FOUND ABOVE RECOMMENDED LEVEL)

THE VERY HIGH LEAD LEVELS FOUND REPRESENT A RISK TO VERY YOUNG CHILDREN WHO MAY PLAY WITH DIRT AND EAT THE CONTAMINATED SOIL. OFFICIALS WARN PARENTS NEARBY NOT TO ALLOW CHILDREN TO PLAY IN DIRT THAT IS NOT COVERED WITH GRASS, GRAVEL OR OTHER COVER, OR TO EAT OUTDOORS. BLOOD TEST STUDY BY IEPA WAS CONDUCTED.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
IL D096731468

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

FM 1/1982

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: 4/1983)

☒ POTENTIAL ☐ ALLEGED

HIGH CONCENTRATIONS OF LEAD WERE FOUND IN GARDEN SAMPLES (SOIL).
ALL VEGETABLES WERE TO BE WASHED, TESTED FOR LEAD CONTAMINATION
THE VEG. ANALYZED SHOWED HIGHER LEVELS WHERE THE SOIL HAD HIGHER LEVELS

01 ☒ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE:)

☒ POTENTIAL ☐ ALLEGED

DUE TO THE HIGH CONCENTRATION OF LEAD IN THE SOIL AND THE
SUBSEQUENT CONTAMINATION OF THE FOOD CHAIN, THE PROBABILITY OF FAUNA
BEING AFFECTED IS ASSUMED

01 ☒ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: 4/1983)

☒ POTENTIAL ☐ ALLEGED

TESTS RUN ON GARDEN VEGETABLES SHOW MORE LEAD IN VEGETABLES GROWN NEAR
THE SMELTER THAN IN OTHER PARTS OF GRANITE CITY.
HEALTH OFFICIALS HAVE ADVISED GARDENERS TO THOROUGHLY WASH BEFORE EATING

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)

02 ☒ OBSERVED (DATE: 4/1983)

☒ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 40,000 +
04 NARRATIVE DESCRIPTION
ACCORDING TO IEPA DIRECTOR CARLSON - THERE IS AN UNACCEPTABLE AMOUNT OF
LEAD IN THE AIR + SOIL ADJACENT TO THE SMELTER DUE TO PAST + PRESENT OPERATIONS

01 ☒ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: 4/1983)

☒ POTENTIAL ☐ ALLEGED

SOIL OUT TO A DISTANCE OF 1 1/2 MILES FROM THE SMELTER HAS HIGHER
LEAD CONTENT THAN THE LEVELS OF 50-100 PPM FOUND IN OTHER COMMUNITIES

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE:)

☒ POTENTIAL ☐ ALLEGED

SURFACE WATER RUNOFF GOES INTO THE CITY'S STORM SEWER SYSTEM AND
SUBSEQUENTLY TO THE WWTP.

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: 4/1983)

☒ POTENTIAL ☐ ALLEGED

IEPA HAS DENIED A RECENT PERMIT RENEWAL APPLICATION FOR ITS
BLAST FURNACE. TARACORP HAS APPEALED TO IPCB.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

HIGH LEVELS OF LEAD IN THE SOIL NEAR THE SMELTER SITE ARE CAUSE
FOR CONTINUED CONCERN

III. TOTAL POPULATION POTENTIALLY AFFECTED: 40,000 +

IV. COMMENTS

THIS FACILITY RECYCLES LEAD BEARING SCRAP MATERIALS TO PRODUCE LEAD INGOTS AND TO FABRICATE
LEAD PIPE, SOLDER + SHEET.

WIND SPEED + DIRECTION DATA INDICATE THAT THE LEAD IS COMING FROM THE DIRECTION
OF THE TARACORP SMELTER

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

USEPA FILES, REGION V, CHICAGO, IL.
IEPA FILES, COLLINSVILLE, IL